

#2/158  
2/28/02

J1000 U.S. PTO  
10/046722  
01/17/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Hiroshi YANAGAWA et al. :  
Serial No. NEW : **Attn: Application Branch**  
Filed January 17, 2002 : **Attorney Docket No. 2001-1921**  
MOLECULE ASSIGNING GENOTYPE TO :  
PHENOTYPE AND USE THEREOF :  
(Rule 1.53(b) Divisional Application :  
of Serial No. 09/284,627, :  
Filed June 2, 1999) :  
THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents,  
Washington, DC 20231

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. 09/284,627.

- 1a. ☒ This Information Disclosure Statement is submitted:
- within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**
- before the mailing date of the first Office Action on the merits,
- and thus no certification and/or fee is required.**
- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

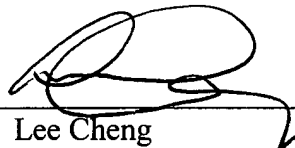
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

- a. ☒ a full or partial English language translation (German reference DE 196 46 372) previously submitted to the Patent Office in prior parent application Serial No. 09/284,627,
  - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☐ the concise explanation contained in the specification of the present application at page ,
  - d. ☒ the concise explanation set forth in the English language abstract previously submitted to the Patent Office in prior parent application Serial No. 09/284,627,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A copy of an International Search Report and a copy of a Supplementary European Search Report citing one or more of the references are enclosed.

Respectfully submitted,

Hiroshi YANAGAWA et al.

By

  
\_\_\_\_\_  
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January 17, 2002

File Copy  
10/04/2003

Sheet 1 of 2

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: January 17, 2002

ATTY DOCKET NO.  
2001-1921

SERIAL NO.

NEW 10/046,722

APPLICANT

Hiroshi YANAGAWA et al.

FILING DATE

January 17, 2002

GROUP

1636

31000 U.S. PTO  
10/046722



#2

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DL	AA	5,843,701	12/1998	Gold et al.	435	68.1	
DL	AB	6,207,446	03/27/2001	Szostak et al.	435	287.2	
DL	AC	6,214,553	04/10/2001	Szostak et al.	435	6	
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DL	AJ	96/22391	7/96	WO			
DL	AK	95/11922	5/95	WO			
DL	AL	196 46 372	6/97	DE			Abstract
DL	AM	98 31700	7/98	WO			
DL	AN	19646372-C1	6/97	DE			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

DL	AO	Y. HUSIMI et al., "Role of the virus-type strategy in encoded molecular evolution", Progress in Biophysics and Molecular Biology, Vol. 65, Suppl. 1, p. 64, August 1996.
DL	AP	N. NEMOTO et al., "In vitro virus: Bonding of mRNA bearing puromycin at the 3'-terminal end to the C-terminal end of its encoded protein on the ribosome in vitro", FEBS LETTERS, Vol. 414, No. 2, pp. 405-408, September 1997.
DL	AQ	J. K. SCOTT et al., "Searching for peptide ligands with an epitope library", Science, Vol. 249, pp. 386-390, 1990.

EXAMINER

David Lambertson

DATE CONSIDERED

4/10/03

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
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## FOREIGN PATENT DOCUMENTS

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	AJ						
	AK						
	AL						
	AM						
	AN						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

DL	AO	S. BRENNER et al., "Encoded combinatorial chemistry", Proc. Natl. Acad. Sci. USA, Vol. 89, pp. 5381-5383, 1992.
DL	AP	Tung et al., "Dual-specificity interaction of HIV-1 TAR RNA with Tat peptide-oligonucleotide conjugates" Bioconjugate Chem. 6: pp. 292-295, 1995.
	AQ	

EXAMINER

David Jambertson

DATE CONSIDERED

4/10/03